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"PATENT"

FEB 15 2006

AMENDMENT TRANSMITTAL FORM

In re application of: Stilianos G. Roussis et al
U. S. Serial No.: 10/014,361
Filed: December 11, 2001
For: ATMOSPHERIC EQUIVALENT
TEMPERATURE ANALYSIS IN
HYDROCARBON PROCESSING

) Before the Examiner
) Prem C. Singh
)
) Confirmation Number: 1159
) Group Art Unit: 1764
) Family Number: P2000I098 US2

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted to the
Commissioner for Patents facsimile number 1-571-273-8300 on the date shown below.

KATHLEEN A. KUNA

Kathleen A. Kuna

February 15, 2006

Type or print name of person signing certification

Signature

Date

Transmittal herewith is an amendment/response in the above-identified application.

Petition for extension of time pursuant to 37 CFR 1.136 and 1.137 is hereby made, if and to the extent, required. The fee for this extension of time is calculated to be \$ 1590.00 to extend the time for filing this response until March 13, 2006.

The fee for any changes in number of claims has been calculated as shown below.

CLAIMS AS AMENDED						
(1)	(2) Claims Remaining After Amendment	(3)	(4) Highest Number Previously Paid For	(5) Present Extra	(6) Rate	(7)
Total Claims	*	Minus	**		x 50.00	
Indep. Claims	*	Minus	***		x 200.00	
MULTIPLE DEPENDENT CLAIM FEE					\$ 360.00	
FEE FOR CLAIM CHANGES						

- * If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.
- ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
- *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The total fee for this AMENDMENT IN RESPONSE TO FIRST OFFICE ACTION and TERMINAL DISCLAIMER, including claim changes and any extension of time is calculated to be \$1720.00.

☒ Charge \$1720.00 to DEPOSIT ACCOUNT NO. 05-1330.

☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required by this paper, or credit any overpayment, to DEPOSIT ACCOUNT NO. 05-1330.

Feb 16, 2006
DATE OF SIGNATURE

Post Office Address [to which correspondence is to be sent]
ExxonMobil Research and Engineering Company
P. O. Box 900
Annandale, New Jersey 08801-0900

02/16/2006 HDEESS1 00000005-051330 10014361

01 FC:1254 1590.00 DA

ALLOCCA:kak
2/14/2006



27810

PATENT TRADEMARK OFFICE

ATTORNEY OR AGENT OF RECORD

GARY P. KATZ

Registration No. 46,099

☒ Pursuant to 37 CFR 1.34(a)

Facsimile Number: (908) 730-3649

PATENT OFFICE MAIL ROOM—PLEASE PLACE THE MAIL ROOM DATE STAMP ON THIS CARD TO INDICATE RECEIPT BY THE PATENT OFFICE OF THE PAPER IDENTIFIED BELOW AND RETURN THE SAME TO US.

APPLICATION S.N. 10/014,361 FILED December 11, 2001

P20005098
TYPE OF PAPER:

☐ APPEAL BRIEF

☐ AMENDMENT

☐ ASSIGNMENT RECORDAL

☐ DRAWINGS

☐ FINAL FEE

☐ NOTICE OF APPEAL

☒ SUBMISSION OF DECLARATION

☐ PUBLICATION FEE

☐ INFO. DISCLOSURE STATEMENT

☐ PRELIMINARY AMENDMENT

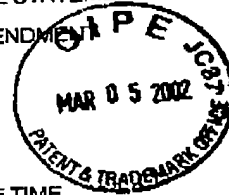
☐ PCT DEMAND

☐ PCT NATIONAL

☐ REPLY BRIEF

☐ REQ. FOR EXT. OF TIME

☐ OTHER _____



FEB 7 2002

CJB:gfs 800-046

ExxonMobil Research
and Engineering Company
1545 Route 22 East, P. O. Box 900
Annandale, NJ 08801-0900

ExxonMobil
*Research and
Engineering*

July 11, 2005

Mail Stop EBC
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450



Sir:

Pursuant to the authority delegated to me by the President of ExxonMobil Research and Engineering Company ("EMRE") (Customer No. 27810), I, Michael A. Nametz, hereby delegate to the following individuals (registration numbers in parentheses):

Leandro Arechederra	(52,457)	Gerald D. Malpass	(40,079)
Estelle C. Bakun	(35,054)	Mark D. Marin	(50,842)
Glenn T. Barrett	(38,705)	Robert A. Migliorini	(50,262)
Catherine L. Bell	(35,444)	William G. Muller	(32,281)
Keith A. Bell	(30,023)	Jack B. Murray	(26,776)
William R. H. Clark	(41,530)	Michael A. Nametz	(28,452)
Douglas J. Collins	(43,561)	Kelly A. Nowak	(35,620)
Michael A. Cromwell	(42,449)	Richard F. Phillips	(30,097)
Carl M. Fick	(33,383)	J. Paul Plummer	(40,775)
Andrew B. Griffis	(36,336)	Tom F. Pruitt	(30,317)
Gerald L. Harris	(36,158)	Paul E. Purwin	(29,203)
Gerard J. Hughes	(41,855)	Frank E. Reid	(37,918)
Rick F. James	(48,772)	C. Paige Schmidt	(38,556)
Gary P. Katz	(46,099)	Linda M. Scuorzo	(36,001)
Bradley A. Keller	(37,654)	Charles E. Smith	(32,085)
Diane L. Kilpatrick-Lee	(56,211)	Darryl M. Tyus	(40,853)
Brent R. Knight	(54,226)	Maria C. Walsh	(37,958)
Stephen P. Koch	(37,660)	Denise Y. Wolfs	(32,074)
Gary D. Lawson	(27,696)	Joseph D. Yao	(34,284)
Lucinda Lomas	(51,964)	James A. Zboray	(35,420)

the authority, without any additional approval by the President, to sign on behalf of EMRE as assignee the following documents incidental to patent prosecution before the Patent and Trademark Office and before the International Patent Examining Authority:

1. Appointment and revocation of powers of attorney;
2. Oath or Declaration filed on behalf of EMRE, or on behalf of an inventor when the inventor is not available to sign;

An ExxonMobil Subsidiary

July 11, 2005

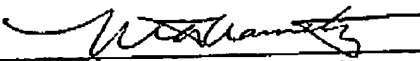
Page 2

3. Assent of EMRE to file a reissue application;
4. Assent of EMRE to file an express abandonment;
5. Disclaimer or dedication by EMRE of one or more patent claims or of any terminal portion of the term of a patent;
6. In the case of interference proceedings, to make preliminary statements on behalf of an applicant or patentee, and to consent to concessions of priority, disclaimers of invention, and abandonments of contest, on behalf of EMRE;
7. Consent of EMRE to the addition, removal or change of inventors in patents or patent applications;
8. Statements required pursuant to 37 CFR 3.73(b).

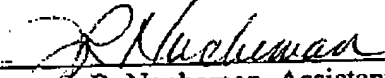
Where required by the nature of the document executed pursuant to this delegation, the Secretary and any Assistant Secretary of EMRE are hereby authorized to affix EMRE's seal on and attest to the foregoing documents.

The signature by any individual or incumbent listed above and the affixing of EMRE's seal where required shall constitute complete and formal execution of the document by EMRE.

EXXONMOBIL RESEARCH AND ENGINEERING COMPANY

By 
M. A. Nametz, SecretaryDate July 12, 2005

I hereby certify that M. A. Nametz, who has signed the above delegation of authority, is a lawful representative of EMRE and is authorized to execute this document on behalf of EMRE, which has a place of business in Annandale, New Jersey (Post Office Address: P.O. Box 900, Annandale, New Jersey 08801-0900, U.S.A.)

By 
J. R. Nacheman, Assistant SecretaryDate July 13, 2005

(SEAL)
(071105B.doc)

"PATENT"

AMENDMENT TRANSMITTAL FORM

In re application of: STILIANOS G. ROUSSIS, et.al.

U. S. Serial No.: 10/014,361

Filed: December 11, 2001

For: ATMOSPHERIC EQUIVALENT TEMPERATURE
ANALYSIS) Before the Examiner
) Not Assigned
)
) Group Art Unit
) 1764THE COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:

- ☒ The undersigned hereby certifies having information and a reasonable basis for belief that this correspondence will be deposited as First-Class Mail with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on February 7, 2002.

Transmittal herewith is an amendment/response in the above-identified application.

Petition for extension of time pursuant to 37 CFR 1.136 and 1.137 is hereby made, if and to the extent, required. The fee for this extension of time is calculated to be \$ _____ to extend the time for filing this response until _____.

The fee for any changes in number of claims has been calculated as shown below.

CLAIMS AS AMENDED						
(1)	(2) Claims Remaining After Amendment	(3)	(4) Highest Number Previously Paid For	(5) Present Extra	(6) Rate	(7)
Total Claims	*	Minus	**		x 18.00	
Indep. Claims	*	Minus	***		x 84.00	
MULTIPLE DEPENDENT CLAIM FEE					\$280.00	
FEE FOR CLAIM CHANGES						

- * If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.



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PATENT TRADEMARK OFFICE

FEB 15 2002

STILIANOS G. ROUSSIS, et.al.
U.S. Serial No. 10/014,361
Page 2

The total fee for this Declaration, including claim changes and any extension of time is calculated to be
\$ 130.00.

☒ Charge \$ 130.00 to Deposit Account No. 05-1330.

☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required by this paper, or credit any overpayment, to Deposit Account No. 05-1330. A duplicate copy of this Form is enclosed.

2/06/02

Date of Signature

Charles J. Brumlik
Attorney or Agent of Record
CHARLES J. BRUMLIK

Post Office Address
(to which correspondence is to be sent):

ExxonMobil Research and Engineering Company
P. O. Box 900 / Clinton Township
Annandale, New Jersey 08801-0900

CJB:grs:February 6, 2002:10-014,361(Filing Missing Parts-Declaration).doc

Registration No. 42,367

☒ Pursuant to 37 CFR 1.34(a)

"PATENT"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	
)	Before the Examiner
STILIANOS G. ROUSSIS, et.al)	Not Assigned
)	
U. S. Serial No. 10/014,361)	
)	
Filed: December 11 2001)	
)	Group Art Unit
ATMOSPHERIC EQUIVALENT TEMPERATURE)	1764
ANALYSIS)	

Commissioner for Patents
Washington, DC 20231

Sir:

NOTICE TO FILE MISSING PARTS UNDER 37 CFR 1.53(b)

Attached herewith, in reply to the Notice to File Missing Parts of
Non-Provisional Application dated January 18, 2002, is an executed Declaration for
the above-referenced Patent Application.

I hereby certify that I have a reasonable basis for believing that this correspondence will be deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on <u>February 7, 2002</u> .		
		Date of Deposit
<u>GAIL F. SUMMERFIELD</u>	<u>Gail F. Summerfield</u>	<u>2-7-02</u>
Name of attorney or agent	Signature	Date of Signature



27810

PATENT TRADEMARK OFFICE

STILIANOS G. ROUSSIS, et.al
U.S. Serial No. 10/014,361
Page 2

Respectfully submitted,



Charles J. Brumlik
Attorney for Applicant(s)
Registration No. 42,367
Telephone No. (908) 730-3634

☒ Pursuant to 37 CFR 1.34(a)

ExxonMobil Research and Engineering Company
P. O. Box 900 / Clinton Township
Annandale, New Jersey 08801-0900
CJB:gfs:February 6, 2002



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/014,361	12/11/2001	Stilianos G. Roussis	CJB-0109

CONFIRMATION NO. 1159

FORMALITIES LETTER

ExxonMobil Research and Engineering Company
P.O. Box 900
Annandale, NJ 08801-0900

Date Mailed: 01/18/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.18(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

*A copy of this notice **MUST** be returned with the reply.*


Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE